

Claims

1. A method for threading a web in the reeling of a paper or board web, in which method a tail strip (W) of the web is passed into a reeling nip between a reeling drum (10) and a reel spool (12), on which reel spool (12) a web roll is formed, in which method the tail strip (W) of the web is conducted on the surface of the reeling drum (10) by means of suction arranged in the reeling drum (10), characterized in that, in the method, the tail strip (W) of the web is passed into the reeling nip between the reeling drum (10) and the reel spool (12) by means of a suction zone (20) which extends substantially around the entire circumference of the reeling drum and which is situated on the surface of the reeling drum (10) in an area where a full-width web runs during reeling, so that the tail strip (W) of the web can be conducted directly along the suction zone (20).
2. A method as claimed in claim 1, characterized in that, in the method, the suction effect of the suction zone (20) is provided through suction apertures (22) arranged in connection with grooves (21) arranged in the surface of the reeling drum (10).
3. A method as claimed in claim 1 or 2, characterized in that, in the method, a boundary layer (L) produced by the rotating reeling drum (20) and the moving tail strip (W) of the web is removed by means of a suction effect which is provided through the suction zone (20) and which is arranged to extend beyond the boundary layer (L).
4. A method as claimed in claim 3, characterized in that the air carried with the tail strip (W) is also sucked by means of said suction effect.
5. A method as claimed in any one of claims 1 to 4, characterized in that, in the method, the tail strip of the web (W) is conducted to the reeling nip by means of a

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suction zone (20), which suction zone (20) is situated in the vicinity of one end of the reeling drum (10).

- 5 6. A device for threading a web in the reeling of a paper or board web, which device is a reeling drum (10) which is used in the reeling of a paper or board web and which is arranged to form a reeling nip with a reel spool (12), around which reel spool (12) a web roll is arranged to be formed, which reeling drum (10) comprises suction apertures to provide a suction effect on the surface of the reeling drum (10), characterized in that a suction zone (20) is formed in the reeling drum (10), that the suction zone (20) extends substantially around the entire circumference of the reeling drum (10), and that the suction zone (20) is placed in the longitudinal direction of the reeling drum (10), i.e. in the width direction of the web, in an area where a full-width web is arranged to run during reeling.
- 15 7. A device as claimed in claim 6, characterized in that the reeling drum (10) comprises grooves (21) and that suction apertures (22) of the suction zone are situated at said grooves (21) in said grooves.
- 20 8. A device as claimed in claim 6 or 7, characterized in that the suction effect, i.e. a lower static pressure, produced in the suction zone (20) is arranged to extend beyond a boundary layer (L) which is produced because of the rotation of the reeling drum and/or due to the effect of air carried with the tail strip (W).
- 25 9. A device as claimed in any one of claims 6 to 8, characterized in that the suction apertures (22) of the suction zone (20) are arranged with close spacing of the holes.
- 30 10. A device as claimed in any one of claims 6 to 9, characterized in that the distance between the suction apertures of the suction zone (20) in the

circumferential direction of the reeling drum (10) is 10-100 mm and the diameter of the suction holes is 1-10 mm.

11. A device as claimed in any one of claims 6 to 10, characterized in that the
5 width of the suction zone (20) is smaller than the width of the web.
12. A device as claimed in any one of claims 6 to 11, characterized in that the width of the suction zone (20) is 2 to 4 the width of the tail strip.
- 10 13. A device as claimed in any one of claims 6 to 12, characterized in that the suction zone (20) is formed in the vicinity of one end of the reeling drum (10).
14. A device as claimed in any one of claims 6 to 13, characterized in that the suction effect of the suction zone (20) is arranged to be provided through a hole
15 situated in the axle of the reeling drum (10), from which hole air is arranged to be transported to a blower (14) along a tube (13) or equivalent.
15. A device as claimed in any one of claims 6 to 13, characterized in that the suction effect of the suction zone is arranged to be provided through the end of the
20 reeling drum (10) by means of a separate suction box.